

Patent Claims

1. Automotive vehicle headlight with housing and with a light source provided within the housing, thereby characterized, that the housing is pressure-tight and that the headlight is associated with a controller, which controls the headlight based on the pressure within the housing.
2. Headlight according to Claim 1, thereby characterized, that the controller controls the headlight depending upon the deviation from an intended value or, as the case may be, depending upon the rate of the pressure change.
3. Headlight according to Claim 1 or 2, thereby characterized, that the headlight is switched off, is modified in its light intensity and/or in its emission characteristic dependent upon the housing internal pressure.
4. Headlight according to one of the preceding claims, thereby characterized, that the headlight is associated with an output or display unit for the vehicle occupants, which in accordance with the pressure within the housing can be warned or as the case may be informed regarding the headlight condition with the aid of the output unit.
5. Headlight according to one of the preceding claims, thereby characterized, that the light source of the headlight is a single semi-conductor light source or an array of high intensity semi-conductor light sources, in particular laser light sources.
6. Headlight according to Claim 5, thereby characterized, that the semi-conductor light source(s) emit visible and/or infrared light.

7. Headlight according to one of the preceding claims, thereby characterized, that the headlight is provided with a pump, which is adapted for producing within the housing a predetermined pressure or vacuum.
8. Headlight according to Claim 7, thereby characterized, that the pump establishes in the housing a predetermined pressure or vacuum and the controller controls the headlight on the basis of the activity of the pump.
9. Process for operation of a headlight with a light source provided within the housing, thereby characterized, that the control of the headlight occurs depending upon the pressure within the housing, wherein in particular depending upon the pressure within the housing it is switched off, is adapted in its light intensity and/or is modified in its emission characteristic.